

CLAIMS

1. Drink-stirring device for stirring or mixing liquid and/or powdered ingredients with liquid in a drinking vessel (4), the liquid being supplied from above through the stirring device to an outlet tube which conducts at least one liquid jet towards the interior of the drinking vessel, characterized in that the liquid is supplied through an outlet tube (64) which is rotatably attached to the device and is associated to an external, magnetic member (82), and in that an electromagnet arrangement is arranged outside the magnetic member for creating a variable magnetic field configured to move the tube (64) in rotation.

2. Device according to Claim 1, characterized in that the said magnetic member is a non-permanent-magnetic iron ring (82), which is arranged between two beads (76, 78) on the lower end (74) of the outlet tube (64).

3. Device according to Claim 1 or 2, characterized in that the electromagnet arrangement consists of at least three electromagnets (50), one pole of which is directed towards the magnetic member (82), and in that they are arranged so as to be activated cyclically in turn.

4. Device according to Claim 3, characterized in that the electromagnets (50) are enclosed in a housing (24) having a surrounding casing (26) and bottom plate (25), and in that the housing (24) and the bottom plate (25) have upwardly conically tapering necks (34 and 60 respectively), which together form a through-passage for the outlet tube (64).

5. Device according to Claim 4, characterized in that the housing (24) surrounds a support plate (44) in the form of a circuit board, which plate has cutouts (48) intended to hold the electromagnets (50) in position,

and in that the circuit board (44) comprises electronics for the control and power supply of the electromagnets (50).

5 6. Device according to any one of the preceding claims, characterized in that the outlet tube (64) is connected to a goose-necked inlet pipe (16), which is arranged in a seat (36, 38) on the housing (24), the upper end (66) of the outlet tube (64) being at least
10 essentially fixed in the radial direction.

7. Method for stirring and eventually foaming a liquid in a vessel, , characterized in that the liquid is conducted through a liquid delivery outlet tube (64)
15 which is rotatable at a determined speed so that the emerging liquid jet can be given a corresponding centrifugal effect.

8. Method of Claim 7, characterized in that the outlet
20 tube (64) is fixedly associated to a magnetic member (82), and in that an electromagnet arrangement is arranged outside the magnetic member to create a magnetic field which drives the magnetic member and tube together in rotation.

25 9. Method according to Claim 8, characterized in that the electromagnet arrangement consists of at least three electromagnets (50), one pole of which is directed towards the magnetic member (82), and in that
30 the electromagnets (50) are activated in turn and thus cause the mouth (84) of the outlet tube to move along an approximately circular path and the emerging liquid jet to describe a corresponding closed path in the drinking vessel (4).

35 10. Method according to Claim 8 or 9, characterized in that the liquid is supplied under pressure with the aid of a pump (12) and/or in that cleaning and washing take place by flushing water through.

11. Method according to any one of Claims 8 to 10, characterized in that the speed of rotation of the outlet tube (64) is adjustable by a control unit.

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12. Method according to claim 10, characterized in that the rotation of the outlet tube (64) is adjusted at variable speeds as function of the type of drink prepared.

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